| Ref<br># | Hits | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--------------------|---------------------|---------|------------------|
|          |      | ("5774660").PN.  | USPAT;<br>USOCR    | OR                  | OFF     | 2004/09/28 15:20 |
|          |      | stor\$3(load adj estimate)   | USPAT              | OR                  | ON      | 2005/12/23 14:16 |
|          |      | ("577460.pn.").PN.   | USPAT;<br>USOCR    | OR                  | OFF     | 2005/12/23 14:13 |
|          |      | @<"20001205" and "3" and gateway   | USPAT              | OR                  | ON      | 2004/04/16 15:59 |
|          |      | @<"20001205" and gateway   | USPAT              | OR                  | ON      | 2004/04/16 16:00 |
|          |      | ((e adj mail) or e-mail or email)<br>adj categories) and ((user adj<br>defined) or user-defined)               | USPAT              | OR                  | ON      | 2004/03/12 17:14 |
|          |      | (e adj mail) or e-mail or email) adj<br>categories and ((user adj defined)<br>or user-defined)                 | USPAT              | OR                  | ON      | 2004/03/12 17:13 |
|          |      | categor\$4((e adj mail) or e-mail or<br>email)   | USPAT              | OR                  | ON      | 2004/03/12 17:09 |
|          |      | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail))(       | USPAT              | OR                  | ON      | 2004/01/16 16:15 |
|          |      | (709/217.ccls.).CCLS.  | USPAT;<br>USOCR    | OR                  | OFF     | 2003/09/15 15:49 |
|          |      | (709/217.ccls.).CCLS.  | USPAT;<br>USOCR    | OR                  | OFF     | 2003/09/15 15:49 |
|          |      | (709/217-205.ccls.).CCLS.  | USPAT;<br>USOCR    | OR                  | OFF     | 2003/09/15 15:48 |
|          |      | "I26" and (automatic or dynamic)<br>same configure\$3 same forward<br>\$3 same card                            | USPAT              | OR                  | OFF     | 2003/05/29 15:26 |
|          |      | 710/22,57.clls.  | USPAT              | OR                  | OFF     | 2003/04/14 12:30 |
|          |      | ((("I3" or "I4") and (data same transfer same (buffer or memory) same computers))                              | USPAT              | OR                  | OFF     | 2003/04/11 16:52 |
|          |      | (asynchronous same transfer<br>same mode or atm) same cach\$4<br>same system digital adj document<br>same      | US-PGPUB;<br>USPAT | OR                  | OFF     | 2003/02/14 11:15 |
|          |      | (asynchronous same transfer<br>same mode or atm) same cach\$4<br>same system and digital adj<br>document same  | US-PGPUB;<br>USPAT | OR                  | OFF     | 2003/02/14 11:15 |
|          |      | (asynchronous same transfer<br>same mode or atm) same cache\$4<br>same system and digital adj<br>document same | US-PGPUB;<br>USPAT | OR                  | OFF     | 2003/02/14 11:16 |
| L1       | 0    | store\$4 adj load adj estimate   | USPAT              | OR                  | OFF     | 2005/12/23 14:14 |

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|-----|-------------|---|-------|------|-----|------------------|
| L2  | 0           | store\$4 adj load\$2 adj estimate   | USPAT | OR   | ON  | 2005/12/23 14:15 |
| L3  | 0           | (store\$4 adj load adj estimate)  | USPAT | OR   | ON  | 2005/12/23 14:15 |
| L4  | 141         | (load adj estimate)   | USPAT | OR   | ON  | 2005/12/23 14:15 |
| L5  | 2           | store\$4 near(load adj estimate)  | USPAT | OR   | ON  | 2005/12/23 14:16 |
| S1  | 147         | server same estimat\$4 same load\$  | USPAT | OR   | ON  | 2004/09/28 15:21 |
| S2  | 0           | server same estimat\$4 same load\$ same header\$  | USPAT | OR   | ON  | 2004/09/27 16:23 |
| S3  | 23215       | server same estimat\$4 same load\$<br>an (check\$4 same header\$)                                       | USPAT | OR   | ON  | 2004/09/27 16:24 |
| S4  | 10          | server same estimat\$4 same load\$ and (check\$4 same header\$)   | USPAT | OR   | ON  | 2004/09/27 16:30 |
| S5  | 2           | ("6606708"   "6611869"  <br>"2003/0041263").PN.   | USPAT | OR   | OFF | 2004/09/27 16:25 |
| S6  | 0           | server same estimat\$4 same load\$<br>and (evaluat\$4 adj4 table\$) and<br>(check\$4 same header\$)     | USPAT | OR   | ON  | 2004/09/27 16:30 |
| S7  | 0           | server same estimat\$4 same load\$<br>and (evaluat\$4 adj4 table\$) and<br>header\$                     | USPAT | OR   | ON  | 2004/09/27 16:31 |
| S8  | 1           | server same estimat\$4 same load\$<br>and (evaluat\$4 same table\$) and<br>header\$                     | USPAT | OR   | ON  | 2004/09/27 16:32 |
| S9  | 0           | server\$ same estimat\$4 same load\$ and (evaluat\$4 same header\$)and 709/2\$\$.ccls.                  | USPAT | OR   | ON  | 2004/09/27 16:32 |
| S10 | 0           | server\$ same estimat\$4 same load\$ and (evaluat\$4 same header\$)                                     | USPAT | OR   | ON  | 2004/09/27 16:33 |
| S11 | 10          | server\$ same estimat\$4 same load\$ and (control\$4 same header\$)                                     | USPAT | OR   | ON  | 2004/09/27 16:33 |
| S12 | 10          | server\$ same estimat\$4 same load\$ and (control\$4 same header\$) and (backup or back-up or back up)  | USPAT | OR   | ON  | 2004/09/27 16:35 |
| S13 | 15          | estimat\$4 same load\$ and (control\$4 same header\$) and ((backup or back-up or back up) near4 server) | USPAT | OR   | ON  | 2004/09/28 15:09 |
| S14 | 1           | "5774660".pn.   | USPAT | OR   | OFF | 2004/09/27 17:06 |
| S15 | 4           | (on-line or online or on line) near education adj courses   | USPAT | OR   | ON  | 2004/09/27 17:16 |
| S16 | 0           | (on-line or online or on line) adj<br>education adj courses and applet                                  | USPAT | OR   | ON  | 2004/09/27 17:16 |

| S17 | 0  | (on-line or online or on line) adj<br>education adj courses and source<br>adj code                       | USPAT           | OR | ON  | 2004/09/27 17:16 |
|-----|----|--|-----------------|----|-----|------------------|
| S18 | 2  | (on-line or online or on line) adj<br>education adj courses and code                                     | USPAT           | OR | ON  | 2004/09/27 17:17 |
| S19 | 0  | (on-line or online or on line) adj<br>education adj courses and code<br>and correct same answer          | USPAT           | OR | ON  | 2004/09/27 17:17 |
| S20 | 0  | (on-line or online or on line) adj<br>education adj courses and code<br>and correct\$4 same answer       | USPAT           | OR | ON  | 2004/09/27 17:17 |
| S21 | 0  | (on-line or online or on line) adj<br>education adj courses and code<br>and correct\$4 with answer       | USPAT           | OR | ON  | 2004/09/27 17:17 |
| S22 | 0  | (on-line or online or on line) adj<br>education adj courses and code<br>and answer and html              | USPAT           | OR | ON  | 2004/09/27 17:17 |
| S23 | 0  | (on-line or online or on line) adj<br>education adj courses and html<br>and answer                       | USPAT           | OR | ON  | 2004/09/27 17:18 |
| S24 | 1  | (on-line or online or on line) adj<br>education adj courses and html<br>and code                         | USPAT           | OR | ON  | 2004/09/27 17:18 |
| S25 | 2  | (on-line or online or on line) adj<br>education adj courses and html                                     | USPAT           | OR | ON  | 2004/09/27 17:27 |
| S26 | 1  | (on-line or online or on line) adj<br>education adj courses and code<br>and answer                       | USPAT           | OR | ON  | 2004/09/27 17:28 |
| S27 | 4  | (on-line or online or on line) adj<br>education adj courses  | USPAT           | OR | ON  | 2004/09/27 17:29 |
| 528 | 1  | ("6571246").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/09/27 17:37 |
| S29 | 1  | ("6571246").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/09/27 17:39 |
| S30 | 1  | ("6652287").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/09/28 14:53 |
| S31 | 10 | estimat\$4 with load\$ and (control\$4 same header\$) and ((backup or back-up or back up) near4 server)  | USPAT           | OR | ON  | 2004/09/28 15:10 |
| S32 | 2  | (estimat\$4 adj load\$) and (control\$4 same header\$) and ((backup or back-up or back up) near4 server) | USPAT           | OR | ON  | 2004/09/28 15:10 |
| S33 | 0  | dynamic\$4 adj select\$4 adj server<br>and estimate adj load   | USPAT           | OR | OFF | 2004/09/28 15:21 |
| S34 | 3  | dynamic\$4 adj select\$4 adj server  | USPAT           | OR | OFF | 2004/09/28 15:21 |

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| S35 | 15   | server same estimat\$4 same load\$ and (dynamic\$4 adj select\$4)                      | USPAT           | OR | ON  | 2004/09/28 15:25 |
| S36 | 0    | estimat\$4 same load\$ and<br>(dynamic\$4 adj select\$4 adj<br>server)                 | USPAT           | OR | ON  | 2004/09/28 15:25 |
| S37 | 2    | estimat\$4 same load\$ and<br>(dynamic\$4 adj select\$4) with<br>server                | USPAT           | OR | ON  | 2004/09/28 15:27 |
| S38 | 2    | estimat\$4 with load\$ and<br>(dynamic\$4 adj select\$4) with<br>server                | USPAT           | OR | ON  | 2004/09/28 15:50 |
| S39 | 1    | ("6078598").PN.  | USPAT;<br>USOCR | OR | OFF | 2002/12/23 15:07 |
| S40 | 1    | ("6078597").PN.  | USPAT;<br>USOCR | OR | OFF | 2002/12/23 15:07 |
| S41 | 570  | 709/250.ccls.  | USPAT           | OR | OFF | 2002/12/30 10:11 |
| S42 | 0    | network adj interface adj card same 709/250.ccls.                                      | USPAT           | OR | OFF | 2002/12/30 10:12 |
| S43 | 65   | network adj interface adj card and 709/250.ccls.                                       | USPAT           | OR | OFF | 2002/12/30 10:12 |
| S44 | 0    | wireless adj device same network<br>adj interface adj card and<br>709/250.ccls.        | USPAT           | OR | OFF | 2002/12/30 10:13 |
| S45 | 0    | wireless adj device near network<br>adj interface adj card and<br>709/250.ccls.        | USPAT           | OR | OFF | 2002/12/30 10:13 |
| S46 | 0    | wireless adj device and network<br>adj interface adj card and<br>709/250.ccls.         | USPAT           | OR | OFF | 2002/12/30 10:14 |
| S47 | 19   | wireless and network adj interface adj card and 709/250.ccls.                          | USPAT           | OR | OFF | 2003/01/07 15:55 |
| S48 | 2371 | computers same wireless and network  | USPAT           | OR | OFF | 2003/01/07 15:56 |
| S49 | 206  | computers same wireless and network and api  | USPAT           | OR | OFF | 2003/01/07 15:56 |
| S50 | 170  | computers same wireless and<br>network and application adj<br>program\$4 adj interface | USPAT           | OR | OFF | 2003/01/07 15:58 |
| S51 | 170  | computers same wireless and<br>network and application adj<br>program\$4 adj interface | USPAT           | OR | OFF | 2003/01/07 15:58 |
| S52 | 1005 | 709/223.ccls.  | USPAT           | OR | OFF | 2003/01/24 16:41 |
| S53 | 0    | binary same message\$4 same layout same 709/223.ccls.                                  | USPAT           | OR | OFF | 2003/01/24 16:41 |
| S54 | 0    | message\$4 same layout same 709/223.ccls.  | USPAT           | OR | OFF | 2003/01/24 16:41 |

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|-----|-------------|--|--------------------|-------------|-----|------------------|
| S55 | 928         | message\$4 same layout   | USPAT              | OR          | OFF | 2003/01/24 16:42 |
| S56 | 44          | binary same message\$4 same<br>layout  | USPAT              | OR          | OFF | 2003/01/24 16:42 |
| S57 | 5           | binary same message\$4 same<br>layout same structure                                       | USPAT              | OR          | OFF | 2003/01/24 16:44 |
| S58 | 0           | tcp/ip same binary same<br>message\$4 same layout same<br>structure                        | USPAT              | OR          | OFF | 2003/01/24 16:44 |
| S59 | 408         | 709/236.ccls.  | USPAT              | OR          | OFF | 2003/02/06 10:34 |
| S60 | 0           | system same control same 709/236.ccls.   | USPAT              | OR          | OFF | 2003/02/06 14:00 |
| S61 | 0           | network same port same internet same control\$4 same 709/236. ccls.                        | USPAT              | OR          | OFF | 2003/02/06 14:01 |
| S62 | 415         | network same port same internet same control\$4  | USPAT              | OR          | OFF | 2003/02/06 14:02 |
| S63 | 15          | network same portal same internet same control\$4  | USPAT              | OR          | OFF | 2003/02/06 15:16 |
| S64 | 0           | portal adj between same network same internet same control\$4                              | USPAT              | OR          | OFF | 2003/02/06 14:32 |
| S65 | 0           | portal adj between same internet<br>same control\$4  | USPAT              | OR          | OFF | 2003/02/06 14:33 |
| S66 | 2           | portal adj between same control\$4   | USPAT              | OR          | OFF | 2003/02/06 15:26 |
| S67 | 0           | ("8925337").PN.  | USPAT;<br>USOCR    | OR          | OFF | 2003/02/06 15:16 |
| S68 | 0           | message same protocol same portal adj between same control\$4                              | USPAT              | OR          | OFF | 2003/02/06 15:18 |
| S69 | 0           | message same portal adj between same control\$4  | USPAT              | OR          | OFF | 2003/02/06 15:19 |
| S70 | 0           | message same protocol and portal adj between same control\$4                               | USPAT              | OR          | OFF | 2003/02/06 15:20 |
| S71 | 8858        | asynchronous same transfer same mode   | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:01 |
| S72 | 8882        | asynchronous same transfer same mode or atm same on-demand                                 | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:02 |
| S73 | 8858        | asynchronous same transfer same<br>mode or atm same on-demand<br>same digital adj document | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:04 |
| S74 | 8863        | asynchronous same transfer same<br>mode or atm same digital adj<br>document                | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:04 |
| S75 | 8858        | asynchronous same transfer same<br>mode or atm adj network same<br>digital adj document    | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:05 |
| S76 | 0           | atm adj network same digital adj<br>document   | US-PGPUB;<br>USPAT | OR          | OFF | 2003/02/14 11:06 |

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| S77           | 0     | asynchronous same transfer same<br>mode same atm adj network same<br>digital adj document  | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:07 |
| S78           | 0     | asynchronous same transfer same<br>mode same atm same digital adj<br>document  | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:08 |
| S79           | 0     | (asynchronous same transfer<br>same mode or atm) same digital<br>adj document same (on-demand<br>or on demand)   | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:12 |
| S80           | 5     | (asynchronous same transfer same mode or atm) same digital adj document  | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/21 15:47 |
| S81           | 0     | (asynchronous same transfer<br>same mode or atm) same digital<br>adj document same delivery adj<br>system  | US-PGPUB;<br>USPAT | OR . | OFF | 2003/02/14 11:14 |
| S82           | 1     | (asynchronous same transfer<br>same mode or atm) same cache\$4<br>same system and digital adj<br>document  | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:17 |
| S83           | 1     | "4635078".PN.  | USPAT              | OR   | OFF | 2003/02/14 11:17 |
| S84           | 1     | "3946398".PN.  | USPAT              | OR   | OFF | 2003/02/14 11:17 |
| S85           | 0     | (asynchronous same transfer<br>same mode or atm) same video<br>same cache\$4 same system and<br>digital adj document   | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:19 |
| S86           | 0     | (asynchronous same transfer<br>same mode or atm) same video<br>same storage same cache\$4 same<br>system and digital adj document                            | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:33 |
| S87           | 0     | (asynchronous same transfer<br>same mode or atm) same video<br>same storage same cache\$4 same<br>system and digital adj document<br>and delivery adj system | US-PGPUB;<br>USPAT | OR   | OFF | 2003/02/14 11:34 |
| S88           | 11703 | digital same content   | USPAT              | OR   | OFF | 2003/03/28 17:02 |
| S89           | 475   | digital same content same display same device  | USPAT              | OR   | OFF | 2003/03/28 17:03 |
| S90           | 550   | digital same content same<br>display\$4 same device  | USPAT              | OR   | OFF | 2003/03/28 17:03 |
| S91           | 196   | digital same content same<br>display\$4 same device same<br>memory   | USPAT              | OR   | OFF | 2003/03/28 17:04 |
| S92           | 9     | client and server same digital<br>same content same display\$4<br>same device same memory  | USPAT              | OR   | OFF | 2003/03/28 17:06 |

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|----------|------|---|---------------------------------------|----|-----|------------------|
| S93      | 0    | client and server same digital<br>same content same display\$4<br>same device same memory same<br>music                                 | USPAT                                 | OR | OFF | 2003/03/28 17:05 |
| S94      | 0    | client and server same digital<br>same content same display\$4<br>same device same memory same<br>music\$4                              | USPAT                                 | OR | OFF | 2003/03/28 17:05 |
| S95      | 2    | client and server same digital<br>same content same display\$4<br>same device same memory same<br>download\$4                           | USPAT                                 | OR | OFF | 2003/03/28 17:06 |
| S96      | 1530 | 710/22,52,53.ccls.  | USPAT                                 | OR | OFF | 2003/04/11 13:02 |
| S97      | 1801 | 710/22,52,53-56.ccls.   | USPAT                                 | OR | OFF | 2003/04/11 13:02 |
| S98      | 4    | 710/22,52,53-56.ccls. and transfer same size same buffer same region  | USPAT                                 | OR | OFF | 2003/04/11 13:12 |
| S99      | 0    | 710/22,52,53-56.ccls. and remote same memory same local same transfer same size same buffer same region                                 | USPAT                                 | OR | OFF | 2003/04/11 13:13 |
| S10<br>0 | 10   | 710/22,52,53-56.ccls. and remote same local same transfer same buffer   | USPAT                                 | OR | OFF | 2003/04/11 13:24 |
| S10<br>1 | 0    | 710/22,52,53-56.ccls. and remote same local same transfer same size same buffer same region   | USPAT                                 | OR | OFF | 2003/04/11 13:13 |
| S10<br>2 | 4    | 710/22,52,53-56.ccls. and remote same local same transfer same buffer same (DMA or direct memory same access)                           | USPAT                                 | OR | OFF | 2003/04/11 13:54 |
| S10<br>3 | 1    | 710/22.ccls. and 710/22,52,53-56. ccls. and remote same local same transfer same buffer same (DMA or direct memory same access)         | USPAT                                 | OR | OFF | 2003/04/11 14:01 |
| S10<br>4 | 2    | 710/22.ccls. and 710/22,52,53-56. ccls. and remote same local same transfer same buffer same (RDMA or remote direct memory same access) | USPAT                                 | OR | OFF | 2003/04/11 14:01 |
| S10<br>5 | 28   | 710/22,52,53-56.ccls. and remote same local same transfer   | USPAT                                 | OR | OFF | 2003/04/11 14:31 |
| S10<br>6 | 8    | 710/22.ccls. and 710/22,52,53-56. ccls. and remote same local same transfer   | USPAT                                 | OR | OFF | 2003/04/11 14:31 |
| S10<br>7 | 5    | 710/22.ccls. and 710/22,52,53-56. ccls. and remote same local same transfer same (memory or buffer)                                     | USPAT                                 | OR | OFF | 2003/04/11 14:39 |

| S10<br>8 | 9024 | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same (memory or buffer) naer2 size same computers                | USPAT | OR   | OFF | 2003/04/11 14:42 |
|----------|------|---|-------|------|-----|------------------|
| S10<br>9 | 2    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same (memory or buffer) same size same computers                 | USPAT | OR   | OFF | 2003/04/11 14:40 |
| S11<br>0 | . 0  | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same (memory or buffer) near2 size same computers                | USPAT | OR   | OFF | 2003/04/11 14:41 |
| S11<br>1 | 0    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer near2 size same (memory or buffer) same computers                | USPAT | OR   | OFF | 2003/04/11 14:43 |
| S11<br>2 | 0    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer near2 size same (memory or buffer) same remote same local        | USPAT | OR   | OFF | 2003/04/11 14:44 |
| S11<br>3 | 3    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same determine\$3 same (memory or buffer) same remote same local | USPAT | OR   | OFF | 2003/04/11 14:45 |
| S11<br>4 | 5    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same data same (memory or buffer) same remote same local         | USPAT | OR   | OFF | 2003/04/11 15:17 |
| S11<br>5 | 1    | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same data same memory same size same remote same local           | USPAT | OR   | OFF | 2003/04/11 16:42 |
| S11<br>6 | 23   | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same data same memory same computers                             | USPAT | OR   | OFF | 2003/04/11 16:44 |
| S11<br>7 | 223  | 710/22.ccls. and 710/22,52,53-56. ccls. and transfer same data same memory same computer                              | USPAT | OR   | OFF | 2003/04/11 16:45 |
| S11<br>8 | 558  | 710/22.ccls.  | USPAT | OR - | OFF | 2003/04/11 16:46 |
| S11<br>9 | 1000 | 709/232-235.ccls.   | USPAT | OR   | OFF | 2003/04/11 16:46 |
| S12<br>0 | 0    | 710/22.ccls. and 709/232-235. ccls. same data same transfer same buffer same computer                                 | USPAT | OR   | OFF | 2003/04/11 16:47 |
| S12<br>1 | 2    | 710/22.ccls. and 709/232-235. ccls. and data same transfer same buffer same computer                                  | USPAT | OR   | OFF | 2003/04/11 16:49 |

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| S12<br>2 | 318   | (710/22.ccls. or 709/232-235.ccls.) and data same transfer same (bufferor memory) same computer  | USPAT | OR | OFF | 2003/04/11 16:50 |
| S12<br>3 | 345   | (710/22.ccls. or 709/232-235.ccls. ) and data same transfer same (buffer or memory) same computer  | USPAT | OR | OFF | 2003/04/11 16:50 |
| S12<br>4 | 345   | ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computer))  | USPAT | OR | OFF | 2003/04/11 16:51 |
| S12<br>5 | 50931 | (((710/22.ccls. or 709/232-235.<br>ccls.) and (data same transfer<br>same (buffer or memory) same<br>computer))or transfer same size)  | USPAT | OR | OFF | 2003/04/11 16:51 |
| S12<br>6 | 46    | (710/22.ccls. or 709/232-235.ccls. ) and (data same transfer same (buffer or memory) same computers)   | USPAT | OR | OFF | 2003/04/11 16:53 |
| S12<br>7 | 22    | (710/22.ccls. or 709/232-235.ccls. ) and (data same transfer same (buffer or memory) same computers same Dma)  | USPAT | OR | OFF | 2003/04/11 16:57 |
| S12<br>8 | 3     | (710/22.ccls. or 709/232-235.ccls. ) and (data same transfer same (buffer or memory) same computers same Dma).ab.  | USPAT | OR | OFF | 2003/04/11 17:00 |
| S12<br>9 | 0     | (710/22.ccls. or 709/232-235.ccls. ) and (data same transfer same (buffer or memory) same computers same Dma).clm.   | USPAT | OR | OFF | 2003/04/11 17:00 |
| S13<br>0 | 70    | (710/22.ccls. or 709/232-235.ccls. ) and (data same transfer same (buffer or memory) same computer).clm.   | USPAT | OR | OFF | 2003/04/11 17:00 |
| S13<br>1 | 2     | ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computers same Dma).ab.) and ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computer).clm.) | USPAT | OR | OFF | 2003/04/11 17:00 |
| S13<br>2 | 71    | ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computers same Dma).ab.) or ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computer).clm.)  | USPAT | OR | OFF | 2003/04/11 17:01 |

| S13<br>3 | 71    | ((((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computers same Dma).ab.) or ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computer).clm.)) and (memory or buffer) same transfer)           | USPAT | OR | OFF              | 2003/04/11 17:01 |
|----------|-------|--|-------|----|------------------|------------------|
| S13<br>4 | 29    | ((((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computers same Dma).ab.) or ((710/22.ccls. or 709/232-235. ccls.) and (data same transfer same (buffer or memory) same computer).clm.)) and (memory or buffer) same transfer same size) | USPAT | OR | OFF              | 2003/04/14 10:34 |
| S13<br>5 | 33898 | memory same region   | USPAT | OR | OFF              | 2003/04/14 10:35 |
| S13      | 21964 | memory same first and second same region   | USPAT | OR | OFF              | 2003/04/14 11:24 |
| S13<br>7 | 1172  | 709/232-235,212.ccls.  | USPAT | OR | OFF              | 2003/04/14 11:25 |
| S13<br>8 | 1948  | 710/52-57,22.ccls.   | USPAT | OR | OFF              | 2003/04/14 11:26 |
| S13<br>9 | 1474  | 709/232-235,212.ccls. or 710/52-57,22.ccls. and (memory same transfer same size)   | USPAT | OR | OFF              | 2003/04/14 11:27 |
| S14<br>0 | 1214  | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. and (memory<br>same transfer adj size)  | USPAT | OR | OFF              | 2003/04/14 11:27 |
| S14<br>1 | 1172  | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. same (memory<br>same transfer adj size same<br>computer)  | USPAT | OR | OFF              | 2003/04/14 11:28 |
| S14<br>2 | 2996  | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. or (memory<br>same transfer adj size same<br>computer)  | USPAT | OR | OFF <sub>.</sub> | 2003/04/14 11:28 |
| S14<br>3 | 1172  | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. same (memory<br>same transfer adj size same<br>computers)   | USPAT | OR | OFF              | 2003/04/14 11:28 |
| S14<br>4 | 1172  | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. same (memory<br>same transfer\$3 adj size same<br>computers)  | USPAT | OR | OFF              | 2003/04/14 11:28 |

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|----------|------|--|-------|----|-----|------------------|
| S14<br>5 | 1172 | 709/232-235,212.ccls. or<br>710/52-57,22.ccls. and (memory<br>same transfer\$3 adj size same<br>computers)   | USPAT | OR | OFF | 2003/04/14 12:29 |
| S14<br>6 | 191  | 709/212.ccls.  | USPAT | OR | OFF | 2003/04/14 12:30 |
| S14<br>7 | 836  | 710/22,57.ccls.  | USPAT | OR | OFF | 2003/04/14 12:30 |
| S14<br>8 | 1827 | ((memory same first and second same region) or 709/232-235,212. ccls.)and (transfer\$3 same size)  | USPAT | OR | OFF | 2003/04/14 12:31 |
| S14<br>9 | 5    | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (DAM same transfer\$3<br>same size)  | USPAT | OR | OFF | 2003/04/14 12:31 |
| S15<br>0 | 140  | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (DMA same transfer\$3<br>same size)  | USPAT | OR | OFF | 2003/04/14 12:32 |
| S15<br>1 | 34   | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (DMA same transfer\$3<br>same packet same size)  | USPAT | OR | OFF | 2003/04/14 12:33 |
| S15<br>2 | 8    | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (FIFO same DMA same<br>transfer\$3 same packet same size)                              | USPAT | OR | OFF | 2003/04/14 12:39 |
| S15<br>3 | 20   | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (buffer same DMA same<br>transfer\$3 same packet same size)                            | USPAT | OR | OFF | 2003/04/14 12:39 |
| S15<br>4 | 18   | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (buffer same DMA same<br>transfer\$3 same data same packet<br>same size)               | USPAT | OR | OFF | 2003/04/14 13:29 |
| S15<br>5 | 3    | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (buffer same DMA same<br>transfer\$3 same data same packet<br>same size same computer) | USPAT | OR | OFF | 2003/04/14 13:32 |
| S15<br>6 | 0    | ((memory same first and second same region) or 709/232-235,212. ccls.)and (buffer same DMA same transfer\$3 same data same packet same size same computers)            | USPAT | OR | OFF | 2003/04/24 08:15 |

| S15<br>7 | 15   | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (buffer same DMA same<br>transfer\$3 same size same<br>computer)  | USPAT   | OR   | OFF | 2003/04/14 13:35 |
|----------|------|---|---|------|-----|------------------|
| S15<br>8 | 9    | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.)and (buffer same DMA same<br>transfer\$3 same packet same size<br>same computer)                              | USPAT   | OR . | OFF | 2003/04/14 14:03 |
| S15<br>9 | 9    | ((memory same first and second<br>same region) or 709/232-235,212.<br>ccls.) and (buffer same DMA same<br>transfer\$3 same packet same size<br>same computer)                             | USPAT   | OR   | OFF | 2003/04/14 14:04 |
| S16<br>0 | 1476 | 710/52-57.ccls.   | USPAT   | OR   | OFF | 2003/04/14 14:04 |
| S16<br>1 | 10   | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls.) and (buffer same DMA same transfer\$3 same packet same size same computer)                       | USPAT   | OR   | OFF | 2003/04/14 14:05 |
| S16<br>2 | 1000 | 709/232-235.ccls.   | USPAT   | OR   | OFF | 2003/04/14 14:05 |
| S16<br>3 | 10   | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and (buffer same DMA same transfer\$3 same packet same size same computer)  | USPAT   | OR   | OFF | 2003/04/14 14:06 |
| S16<br>4 | 10   | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and (buffer same DMA same transfer\$3 same packet same size same computer)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2003/04/14 14:06 |
| S16<br>5 | 0    | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and (buffer same DMA same transfer\$3 same packet same size same computers) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2003/04/14 14:06 |
| S16<br>6 | 10   | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and (buffer same DMA same transfer\$3 same packet same size same computer)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2003/04/14 14:07 |

| S16<br>7 | 24438 | 710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls. and buffer same DMA same transfer\$3 same packet same size same computer      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:07 |
|----------|-------|---|---|----|-----|------------------|
| S16<br>8 | 10    | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and buffer same DMA same transfer\$3 same packet same size same computer    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:07 |
| S16<br>9 | 0     | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and buffer same DMA same transfer\$3 adj size same packet same computer     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:08 |
| S17<br>0 | 0     | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and buffer same DMA same (transfer\$3 adj size) same packet same computer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:08 |
| S17<br>1 | 0     | (710/52-57.ccls. or (memory same first and second same region) or 709/232-235,212.ccls. or 709/232-235.ccls.) and (buffer same DMA same (transfer\$3 adj size) same packet same computer) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:08 |
| S17<br>2 | 23400 | (710/52-57.ccls. or (memory same first and second same region))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:08 |
| S17<br>3 | 91    | (710/52-57.ccls. or (memory same first and second same region)) and transfer\$3 adj size  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:09 |
| S17<br>4 | 56    | (710/52-57.ccls. or (memory same first and second same region)) and transfer\$3 adj size same memory  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:10 |
| S17<br>5 | 0     | (710/52-57.ccls. or (memory same first and second same region)) and transfer\$3 adj size same memory same buffer.ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:10 |

| S17<br>6 | 0    | (710/52-57.ccls. or (memory same first and second same region)) and (transfer\$3 adj size same memory same buffer.ab.)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:11 |
|----------|------|--|---|----|-----|------------------|
| S17<br>7 | 35   | (710/52-57.ccls. or (memory same first and second same region)) and transfer\$3 adj size same memory same buffer               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:22 |
| S17<br>8 | 3    | (710/52-57.ccls. or (memory same first and second same region)) and transfer\$3 adj size same memory same buffer same computer | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/14 14:12 |
| S17<br>9 | 7    | (710/52-57.ccls. or (memory same first and second same region)) and (transfer\$3 adj size same DMA same memory same buffer)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/04/15 10:48 |
| S18<br>0 | 1    | ("5761507").PN.  | USPAT;<br>USOCR   | OR | OFF | 2003/04/15 10:49 |
| S18      | 559  | 710/22.ccls.   | USPAT   | OR | OFF | 2003/04/15 10:53 |
| S18<br>2 | 983  | 710/22,53,57.ccls.   | USPAT   | OR | OFF | 2003/04/15 10:54 |
| S18<br>3 | 2    | 710/22,53,57.ccls. and memory same transfer\$3 same size same computers  | USPAT   | OR | OFF | 2003/04/15 10:59 |
| S18<br>4 | 0    | 710/22,53,57.ccls. and memory same transfer\$3 same sizes same computers   | USPAT   | OR | OFF | 2003/04/15 10:59 |
| S18<br>5 | 0    | 709/232-235,212.ccls. and memory same transfer\$3 same size same computers same dma  | USPAT   | OR | OFF | 2003/04/15 11:00 |
| S18<br>6 | 1178 | 709/232-235,212.ccls.  | USPAT   | OR | OFF | 2003/04/15 10:59 |
| S18<br>7 | 1183 | 709/232-235,212.ccls. or memory same transfer\$3 same size same computers same dma   | USPAT   | OR | OFF | 2003/04/15 11:01 |
| S18<br>8 | 6    | 709/232-235,212.ccls. and memory same transfer\$3 same size same computers   | USPAT   | OR | OFF | 2003/04/15 11:07 |
| S18<br>9 | 1953 | 710/52-57,22.ccls.   | USPAT   | OR | OFF | 2003/04/15 11:07 |
| S19<br>0 | 2    | 710/52-57,22.ccls. and memory same transfer\$3 same size same computers  | USPAT   | OR | OFF | 2003/04/15 11:08 |

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|----------|------|--|-----------------|----|-----|------------------|
| S19<br>1 | 1178 | 709/232-235,212.ccls.  | USPAT           | OR | OFF | 2003/04/15 11:08 |
| S19<br>2 | 6    | 709/232-235,212.ccls. and memory same transfer\$3 same size same computers                 | USPAT           | OR | OFF | 2003/04/15 11:09 |
| S19<br>3 | 6    | 709/232-235,212.ccls. and (memory or buffer) same transfer\$3 same size same computers     | USPAT           | OR | OFF | 2003/04/15 11:09 |
| S19<br>4 | 46   | 709/232-235,212.ccls. and (memory or buffer size) same transfer\$3 same computers          | USPAT           | OR | OFF | 2003/04/15 11:09 |
| S19<br>5 | 46   | 709/232-235,212.ccls. and (memory size or buffer size) same transfer\$3 same computers     | USPAT           | OR | OFF | 2003/04/15 11:26 |
| S19<br>6 | 4    | 709/232-235,212.ccls. and (memory size or buffer size) same transfer\$3 same computers.ab. | USPAT           | OR | OFF | 2003/04/15 11:20 |
| S19<br>7 | 1    | ("6118936").PN.  | USPAT;<br>USOCR | OR | OFF | 2003/04/15 11:21 |
| S19<br>8 | 1    | ("6473609").PN.  | USPAT;<br>USOCR | OR | OFF | 2003/04/15 11:21 |
| S19<br>9 | 3    | server same queue same worker.<br>ab.  | USPAT           | OR | OFF | 2003/04/15 11:26 |
| S20<br>0 | 25   | server same queue same worker  | USPAT           | OR | OFF | 2003/04/15 14:02 |
| S20<br>1 | 19   | server same queue same worker same threads   | USPAT           | OR | OFF | 2003/04/15 14:04 |
| S20<br>2 | 0    | server same queue same worker<br>same threads same upper same<br>limit                     | USPAT           | OR | OFF | 2003/04/15 14:05 |
| S20<br>3 | 0    | server same queue same worker same threads same upper                                      | USPAT           | OR | OFF | 2003/04/15 14:05 |
| S20<br>4 | 0    | server same queue same worker same threads same threshold                                  | USPAT           | OR | OFF | 2003/04/15 14:07 |
| S20<br>5 | 1    | server same queue same threads same threshold  | USPAT           | OR | OFF | 2003/04/15 14:42 |
| S20<br>6 | 1    | ("5761507").PN.  | USPAT;<br>USOCR | OR | OFF | 2003/04/15 14:42 |
| S20<br>7 | 0    | 709/238.ccls. and 709/244.ccls. near3 (automatic or dynamic) same configure                | USPAT           | OR | OFF | 2003/05/29 13:41 |
| S20<br>8 | 0    | 709/238.ccls. with 709/244.ccls. and (automatic or dynamic) same configure                 | USPAT           | OR | OFF | 2003/05/29 13:41 |
| S20<br>9 | 0    | 709/238.ccls. with 709/244.ccls. and configure\$3  | USPAT           | OR | OFF | 2003/05/29 13:41 |

|          |     |   | _     |    |     |                  |
|----------|-----|---|-------|----|-----|------------------|
| S21<br>0 | 0   | 709/238.ccls. with 709/244.ccls. and (automatic or dynamic) near3 configure\$3                            | USPAT | OR | OFF | 2003/05/29 13:40 |
| S21<br>1 | 0   | 709/238.ccls. with 709/244.ccls. and (automatic or dynamic) same configure\$3                             | USPAT | OR | OFF | 2003/05/29 13:40 |
| S21<br>2 | 0   | (709/238.ccls. and 709/244.ccls. ) and (automatic or dynamic) same congfigure\$3                          | USPAT | OR | OFF | 2003/05/29 13:57 |
| S21<br>3 | 0   | (709/238.ccls. and 709/244.ccls. ) and (automatic or dynamic) same congfiguration                         | USPAT | OR | OFF | 2003/05/29 13:57 |
| S21<br>4 | 0   | (automatic or dynamic) adj<br>configure\$3 same database  | USPAT | OR | OFF | 2003/05/29 14:00 |
| S21<br>5 | 0   | (automatic or dynamic) adj<br>configure\$3 same paths   | USPAT | OR | OFF | 2003/05/29 14:01 |
| S21<br>6 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same reboot\$3                                | USPAT | OR | OFF | 2003/05/29 15:16 |
| S21<br>7 | . 0 | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same cross-connection same card               | USPAT | OR | OFF | 2003/05/29 15:17 |
| S21<br>8 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same (cross-connection) same card             | USPAT | OR | OFF | 2003/05/29 15:17 |
| S21<br>9 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same database same reboot\$3                  | USPAT | OR | OFF | 2003/05/29 15:06 |
| S22<br>0 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same reboot\$3 same (LID or logical identify) | USPAT | OR | OFF | 2003/05/29 15:05 |
| S22<br>1 | 750 | 709/238.ccls.   | USPAT | OR | OFF | 2003/05/29 13:39 |
| S22<br>2 | 84  | 709/244.ccls.   | USPAT | OR | OFF | 2003/05/29 13:39 |
| S22<br>3 | 0   | 709/238.ccls. with 709/244.ccls.<br>and ((automatic or dynamic) adj<br>configure\$3)                      | USPAT | OR | OFF | 2003/05/29 13:40 |
| S22<br>4 | 0   | 709/238.ccls. with 709/244.ccls. near3 (automatic or dynamic) same configure\$3                           | USPAT | OR | OFF | 2003/05/29 13:40 |
| S22<br>5 | 19  | 709/238.ccls. and 709/244.ccls.   | USPAT | OR | OFF | 2003/05/29 13:56 |
| S22<br>6 | 0   | 709/238.ccls. and 709/244.ccls. same (automatic or dynamic) same configure                                | USPAT | OR | OFF | 2003/05/29 13:42 |

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|----------|------|--|-------|----|-----|------------------|
| S22<br>7 | 1    | (709/238.ccls. and 709/244.ccls.) and (automatic or dynamic) same configure\$3       | USPAT | OR | OFF | 2003/05/29 13:59 |
| S22<br>8 | 0    | (709/238.ccls. and 709/244.ccls.) and (automatic or dynamic) adj configure\$3        | USPAT | OR | OFF | 2003/05/29 13:59 |
| S22<br>9 | 7    | (automatic or dynamic) adj<br>configure\$3   | USPAT | OR | OFF | 2003/05/29 13:59 |
| S23<br>0 | 7    | (automatic or dynamic) adj<br>configure\$3   | USPAT | OR | OFF | 2003/05/29 14:05 |
| S23<br>1 | 3    | (automatic or dynamic) adj<br>configure\$3 and database                              | USPAT | OR | OFF | 2003/05/29 14:06 |
| S23<br>2 | 1    | (automatic or dynamic) adj<br>configure\$3 and paths                                 | USPAT | OR | OFF | 2003/05/29 14:06 |
| S23<br>3 | 0    | (automatic or dynamic) adj<br>configure\$3 and paths same<br>database                | USPAT | OR | OFF | 2003/05/29 14:06 |
| S23<br>4 | 1    | (automatic or dynamic) adj<br>configure\$3 and paths and<br>database                 | USPAT | OR | OFF | 2003/05/29 14:07 |
| S23<br>5 | 0    | (automatic or dynamic) adj<br>configure\$3 and paths and<br>database and card        | USPAT | OR | OFF | 2003/05/29 14:07 |
| S23<br>6 | 1    | (automatic or dynamic) adj<br>configure\$3 and paths and<br>database                 | USPAT | OR | OFF | 2003/05/29 15:03 |
| S23<br>7 | 1141 | 710/8-10.ccls.   | USPAT | OR | OFF | 2003/05/29 15:03 |
| S23<br>8 | 0    | 710/8-10.ccls. with (automatic or dynamic) same configure\$3                         | USPAT | OR | OFF | 2003/05/29 15:04 |
| S23<br>9 | 102  | 710/8-10.ccls. and (automatic or dynamic) same configure\$3                          | USPAT | OR | OFF | 2003/05/29 15:04 |
| S24<br>0 | 7    | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same reboot\$3           | USPAT | OR | OFF | 2003/05/29 15:16 |
| S24<br>1 | 3    | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same database            | USPAT | OR | OFF | 2003/05/29 15:19 |
| S24<br>2 | 5    | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same paths               | USPAT | OR | OFF | 2003/05/29 15:07 |
| S24<br>3 | 0    | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same forward\$3 adj card | USPAT | OR | OFF | 2003/05/29 15:20 |
| S24<br>4 | 0    | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same card same paths     | USPAT | OR | OFF | 2003/05/29 15:20 |

| S24<br>5 | 5   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same paths                                   | USPAT   | OR | OFF | 2003/05/29 15:20 |
|----------|-----|--|---|----|-----|------------------|
| S24<br>6 | 9   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same card                                    | USPAT   | OR | OFF | 2003/05/29 15:24 |
| S24<br>7 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same forward\$3 same card                    | USPAT   | OR | OFF | 2003/05/29 15:26 |
| S24<br>8 | 9   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same card                                    | USPAT   | OR | OFF | 2003/05/29 15:32 |
| S24<br>9 | 0   | 710/8-10.ccls. and (automatic or<br>dynamic) same configure\$3 same<br>line adj card                     | USPAT   | OR | OFF | 2003/05/29 15:33 |
| S25<br>0 | 3   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same fields                                  | USPAT   | OR | OFF | 2003/05/29 15:39 |
| S25<br>1 | 3   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same data same fields                        | USPAT   | OR | OFF | 2003/05/29 15:40 |
| S25<br>2 | 15  | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same (LID or logical identify)               | USPAT   | OR | OFF | 2003/05/29 15:40 |
| S25<br>3 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same (LID or logical identify) same database | USPAT   | OR | OFF | 2003/05/29 15:40 |
| S25<br>4 | 0   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same (LID or logical identify) same reboot   | USPAT   | OR | OFF | 2003/05/29 15:41 |
| S25<br>5 | 5   | 710/8-10.ccls. and (automatic or dynamic) same configure\$3 same (LID or logical identify) same card     | USPAT   | OR | OFF | 2003/05/29 15:45 |
| S25<br>6 | 568 | 709/228.ccls.  | USPAT   | OR | OFF | 2003/05/29 15:45 |
| S25<br>7 | 23  | 710/8-10.ccls. and 709/228.ccls.   | USPAT   | OR | OFF | 2003/05/29 15:45 |
| S25<br>8 | 2   | (710/8-10.ccls. and 709/228.ccls.) and (automatic or dynamic) same configure\$3                          | USPAT   | OR | OFF | 2003/05/29 15:46 |
| S25<br>9 | 2   | (710/8-10.ccls. and 709/228.ccls.)<br>and (automatic or dynamic) same<br>configure\$3                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/05/29 16:00 |

| S26<br>0 | 0    | (710/8-10.ccls. and 709/228.ccls.) and (automatic or dynamic) same load\$3 same balance\$3 same architecture same configure\$3 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/05/29 16:08 |
|----------|------|--|---|----|-----|------------------|
| S26<br>1 | 0    | (710/8-10.ccls. and 709/228.ccls.) and load\$3 same balance\$3 same architecture same configure\$3                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/05/29 16:09 |
| S26<br>2 | 0    | (710/8-10.ccls. and 709/228.ccls.) and load\$3 same balance\$3 same architecture   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/05/29 16:09 |
| S26<br>3 | 2943 | primary same server  | USPAT   | OR | OFF | 2003/06/20 11:09 |
| S26<br>4 | 714  | primary same server same servers   | USPAT   | OR | OFF | 2003/06/20 11:09 |
| S26<br>5 | 42   | primary same server same servers near3 database  | USPAT   | OR | OFF | 2003/06/20 11:10 |
| S26<br>6 | 8    | primary same server same<br>secondary near3 servers near3<br>database  | USPAT   | OR | OFF | 2003/06/20 11:10 |
| S26<br>7 | 0    | primary same server same secondary near3 servers near3 database same proxy   | USPAT   | OR | OFF | 2003/06/20 11:10 |
| S26<br>8 | 0    | primary same server same<br>secondary near3 servers near3<br>database and proxy  | USPAT   | OR | OFF | 2003/06/20 11:11 |
| S26<br>9 | 8    | primary same server same secondary near3 servers near3 database  | USPAT   | OR | OFF | 2003/06/20 11:11 |
| S27<br>0 | 209  | 709/207.ccls.  | USPAT   | OR | OFF | 2003/06/20 11:12 |
| S27<br>1 | 0    | 709/207.ccls. and primary same server same secondary near3 servers near3 database  | USPAT   | OR | OFF | 2003/06/20 11:12 |
| S27<br>2 | 0    | 709/207.ccls. and primary adj<br>server same secondary near3<br>servers near3 database   | USPAT   | OR | OFF | 2003/06/20 11:12 |
| S27<br>3 | 0    | 709/207.ccls. and primary adj<br>server same servers near3<br>database   | USPAT   | OR | OFF | 2003/06/20 11:12 |
| S27<br>4 | 33   | 709/217.ccls. and 709/205.ccls.  | USPAT   | OR | OFF | 2003/09/15 15:52 |
| S27<br>5 | 307  | 709/205.ccls.  | USPAT   | OR | OFF | 2003/09/15 15:49 |

| S27      | 1406 | 709/217.ccls.   | USPAT           | OR | OFF | 2003/09/15 15:49 |
|----------|------|---|-----------------|----|-----|------------------|
| 6        |      | (105055501) 711   | LICEAT          |    | 055 | 2002/00/02 45 00 |
| S27<br>7 | 0    | ("9595660").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/03 15:00 |
| S27<br>8 | 0    | ("9595660").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/03 15:01 |
| S27<br>9 | 0    | ((709/203.ccls: and collaborat\$4.<br>ti. ) and collaborat\$4.ab.) and<br>((e-class) or (e-classroom))  | USPAT           | OR | ON  | 2003/09/17 17:22 |
| S28<br>0 | 0    | ((709/203.ccls. and collaborat\$4. ti. ) and collaborat\$4.ab.) and (e-classroom)   | USPAT           | OR | ON  | 2003/09/17 17:23 |
| S28<br>1 | 1    | ("5973683").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/17 17:38 |
| S28<br>2 | 1    | ("5941951").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/17 17:39 |
| S28<br>3 | 1    | ("5920701").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/17 17:40 |
| S28<br>4 | 1    | ("5684800").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/17 17:40 |
| S28<br>5 | 4027 | clients same servers  | USPAT           | OR | OFF | 2003/08/29 16:02 |
| S28<br>6 | 48   | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4))                                  | USPAT           | OR | ON  | 2003/08/29 16:04 |
| S28<br>7 | 21   | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) same<br>network                  | USPAT           | OR | ON  | 2003/08/29 16:04 |
| S28<br>8 | 0    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) same<br>network same prescrib\$4 | USPAT           | OR | ON  | 2003/08/29 16:05 |
| S28<br>9 | 8    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) same<br>network same display\$4  | USPAT           | OR | ON  | 2003/09/03 10:17 |
| S29<br>0 | 1    | ("5727202").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/09/03 14:45 |
| S29<br>1 | 1    | "5592669".PN.   | USPAT           | OR | OFF | 2003/09/03 10:21 |
| S29<br>2 | 2465 | visual adj feedback   | USPAT           | OR | OFF | 2003/09/03 14:45 |

| S29<br>3 | 0      | bluetooth same visual adj<br>feedback  | USPAT           | OR | ON  | 2003/09/03 14:45 |
|----------|--------|--|-----------------|----|-----|------------------|
| S29<br>4 | 606    | bluetooth  | USPAT           | OR | ON  | 2003/09/03 14:46 |
| S29<br>5 | 7065   | bluetooth or short adj range   | USPAT           | OR | ON  | 2003/09/03 14:47 |
| S29<br>6 | 151    | bluetooth same (short adj range)   | USPAT           | OR | ON  | 2003/09/03 14:47 |
| S29<br>7 | 23     | bluetooth adj protocol same (short adj range)  | USPAT           | OR | ON  | 2003/09/03 14:48 |
| S29<br>8 | 302920 | bluetooth adj protocol same (short<br>adj range) same display or screen  | USPAT           | OR | ON  | 2003/09/03 14:48 |
| S29<br>9 | 1      | bluetooth adj protocol same (short<br>adj range) same (display adj<br>screen)                                      | USPAT           | OR | ON  | 2003/09/03 14:49 |
| S30<br>0 | 1      | network same bluetooth same<br>(short adj range) same (display<br>adj screen)                                      | USPAT           | OR | ON  | 2003/09/03 14:50 |
| S30<br>1 | 0      | computers same bluetooth same<br>(short adj range) same (display<br>adj screen)                                    | USPAT           | OR | ON  | 2003/09/03 14:51 |
| S30<br>2 | 44     | computers same bluetooth same (short adj range)  | USPAT           | OR | ON  | 2003/09/03 16:40 |
| S30<br>3 | 0      | computers same bluetooth same<br>(short adj range) same feedback   | USPAT           | OR | ON  | 2003/09/03 14:51 |
| S30<br>4 | 5      | computers same (bluetooth adj<br>protocol) same (short adj range)  | USPAT           | OR | ON  | 2003/09/03 14:53 |
| S30<br>5 | 1      | (bluetooth adj protocol) and (visual adj feedback)   | USPAT           | OR | ON  | 2003/09/03 14:54 |
| S30<br>6 | 9      | bluetooth and (visual adj<br>feedback)   | USPAT           | OR | ON  | 2003/09/03 16:39 |
| S30<br>7 | 1      | ("0595660").PN.  | USPAT;<br>USOCR | OR | OFF | 2003/09/03 15:00 |
| S30<br>8 | 1      | ("6505160").PN.  | USPAT;<br>USOCR | OR | OFF | 2003/09/03 16:32 |
| S30<br>9 | 0      | bluetooth and (visual adj<br>feedback) same microphone   | USPAT           | OR | ON  | 2003/09/03 16:40 |
| S31<br>0 | 4      | computers same bluetooth same<br>(short adj range) same<br>microphone  | USPAT           | OR | ON  | 2003/09/15 15:47 |
| S31<br>1 | 0      | clients same network same<br>register\$4 same ((transfer\$4 or<br>transmit\$4) adj information) same<br>display\$4 | USPAT           | OR | ON  | 2003/09/16 09:55 |
| S31<br>2 | 12     | clients same network same<br>register\$4 same ((transfer\$4 or<br>transmit\$4) adj information)                    | USPAT           | OR | ON  | 2003/09/16 10:10 |

| S31<br>3 | 2    | clients same network same<br>(register\$4 adj information)same<br>((transfer\$4 or transmit\$4) adj<br>information)                                | USPAT | OR | ON  | 2003/09/16 14:20 |
|----------|------|--|-------|----|-----|------------------|
| S31<br>4 | 2    | clients same network same<br>(register\$4 adj information)same<br>((transfer\$4 or transmit\$4) adj<br>information)                                | USPAT | OR | ON  | 2003/09/16 14:20 |
| S31<br>5 | 2    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4))                     | USPAT | OR | OFF | 2003/09/17 11:21 |
| S31<br>6 | 0    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) and<br>receiver     | USPAT | OR | OFF | 2003/09/17 11:22 |
| S31<br>7 | 8    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) and<br>receiver     | USPAT | OR | ON  | 2003/09/17 11:35 |
| S31<br>8 | 0    | clients same servers same register\$4 same ((information or message) adj (transmit\$4 or transfer\$4 or exchange\$4)) and receiver.ab.             | USPAT | OR | ON  | 2003/09/17 11:30 |
| S31<br>9 | 0    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) and<br>receiver.ti. | USPAT | OR | ON  | 2003/09/17 11:30 |
| S32<br>0 | 1    | clients same servers same<br>register\$4 same ((information or<br>message) adj (transmit\$4 or<br>transfer\$4 or exchange\$4)) same<br>receiver    | USPAT | OR | ON  | 2003/09/17 17:06 |
| S32<br>1 | 1824 | 709/203.ccls.  | USPAT | OR | ON  | 2003/09/17 17:12 |
| S32<br>2 | 48   | 709/203.ccls. and collaborate\$4   | USPAT | OR | ON  | 2003/09/17 17:14 |
| S32<br>3 | 1    | 709/203.ccls. and collaborate\$4.  | USPAT | OR | ON  | 2003/09/17 17:15 |
| S32<br>4 | 0    | 709/203.ccls. and collaborate\$4.ti.   | USPAT | OR | ON  | 2003/09/17 17:15 |
| S32<br>5 | 0    | collaborate\$4.ti.   | USPAT | OR | ON  | 2003/10/16 15:10 |
| S32<br>6 | 194  | collaborat\$4.ti.  | USPAT | OR | ON  | 2003/09/17 17:17 |

| S32<br>7 | 17   | 709/203.ccls. and collaborat\$4.ti.   | USPAT | OR | ON | 2003/09/17 17:17 |
|----------|------|---|-------|----|----|------------------|
| S32<br>8 | 343  | collaborat\$4.ab.   | USPAT | OR | ON | 2003/09/17 17:17 |
| S32<br>9 | 551  | 7and collaborat\$4.ab.  | USPAT | OR | ON | 2003/09/17 17:17 |
| S33<br>0 | 16   | (709/203.ccls. and collaborat\$4.ti. ) and collaborat\$4.ab.  | USPAT | OR | ON | 2003/09/17 17:30 |
| S33<br>1 | 3    | ((709/203.ccls. and collaborat\$4.<br>ti. ) and collaborat\$4.ab.) and files<br>same transfer\$4 same access\$4 | USPAT | OR | ON | 2003/09/17 17:38 |
| S33<br>2 | 1427 | collaborate\$4  | USPAT | OR | ON | 2003/10/16 15:10 |
| S33<br>3 | 7    | (automatic or dynamic) near data with delivery with system  | USPAT | OR | ON | 2003/12/29 10:39 |
| S33<br>4 | 4    | ((automatic or dynamic) near data with delivery with system) and database                                       | USPAT | OR | ON | 2003/12/29 10:45 |
| S33<br>5 | 0    | (automatic or dynamic) near data<br>near delivery with system   | USPAT | OR | ON | 2003/12/29 10:39 |
| S33<br>6 | 1    | (automatic or dynamic) near data<br>near2 delivery with system  | USPAT | OR | ON | 2003/12/29 10:40 |
| S33<br>7 | 0    | (automatic or dynamic) near data<br>near2 delivery near system  | USPAT | OR | ON | 2003/12/29 10:40 |
| S33<br>8 | 1    | (automatic or dynamic) near data<br>near2 delivery near2 system   | USPAT | OR | ON | 2003/12/29 10:44 |
| S33<br>9 | 1    | ((automatic or dynamic) near data<br>with delivery with system) and<br>database and (user adj id)               | USPAT | OR | ON | 2003/12/29 10:48 |
| S34<br>0 | 1287 | databases same (user adj<br>information)  | USPAT | OR | ON | 2003/12/29 10:48 |
| S34<br>1 | 17   | databases with delivery same<br>automatic same (user adj<br>information) same select\$4                         | USPAT | OR | ON | 2003/12/29 10:49 |
| S34<br>2 | 17   | (databases with delivery same automatic same (user adj information) same select\$4) and predetermin\$3          | USPAT | OR | ON | 2003/12/29 10:50 |
| S34<br>3 | 0    | (databases with delivery same automatic same (user adj information) same select\$4) and data adj identify\$4    | USPAT | OR | ON | 2003/12/29 10:50 |
| S34<br>4 | 0    | (databases with delivery same automatic same (user adj information) same select\$4) and (data adj identify)     | USPAT | OR | ON | 2003/12/29 10:51 |

| S34<br>5 | 17 | (databases with delivery same automatic same (user adj information) same select\$4) and identify                                    | USPAT           | OR | ON  | 2003/12/29 10:51 |
|----------|----|---|-----------------|----|-----|------------------|
| S34<br>6 | 0  | (databases with delivery same automatic same (user adj information) same select\$4) and (predetermin\$3 adj data)                   | USPAT           | OR | ON  | 2003/12/29 10:51 |
| S34<br>7 | 0  | (databases with delivery same automatic same (user adj information) same select\$4) and (predetermine adj data)                     | USPAT           | OR | ON  | 2003/12/29 10:52 |
| S34<br>8 | 17 | (databases with delivery same automatic same (user adj information) same select\$4) and predetermin\$3                              | USPAT           | OR | ON  | 2003/12/29 10:52 |
| S34<br>9 | 17 | (databases with delivery same<br>automatic same (user adj<br>information) same select\$4) and<br>select\$4                          | USPAT           | OR | ON  | 2003/12/29 10:53 |
| S35<br>0 | 0  | (databases with delivery same<br>automatic same (user adj<br>information) same select\$4) and<br>provide\$4 adj menu                | USPAT           | OR | ON  | 2003/12/29 10:53 |
| S35<br>1 | 17 | (databases with delivery same<br>automatic same (user adj<br>information) same select\$4) and<br>menu                               | USPAT           | OR | ON  | 2003/12/29 10:53 |
| S35<br>2 | 17 | (databases with delivery same<br>automatic same (user adj<br>information) same select\$4) and<br>menu                               | USPAT           | OR | ON  | 2003/12/29 10:53 |
| S35<br>3 | 4  | (databases with delivery same automatic same (user adj information) same select\$4) and two adj databases                           | USPAT           | OR | ON  | 2003/12/29 10:54 |
| S35<br>4 | 0  | (databases with delivery same automatic same (user adj information) same select\$4) and two adj databases same (select\$3 adj list) | USPAT           | OR | ON  | 2003/12/29 10:54 |
| S35<br>5 | 4  | (databases with delivery same<br>automatic same (user adj<br>information) same select\$4) and<br>two adj databases same select\$3   | USPAT           | OR | ON  | 2003/12/29 10:57 |
| S35<br>6 | 1  | ("4996684").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/29 10:57 |
| S35<br>7 | 0  | (switch\$4 adj protocols same<br>transmit\$4 adj data) and speed<br>adj increas\$4  | USPAT           | OR | ON  | 2003/12/30 15:36 |

| S35<br>8 | 0    | (switch\$4 adj protocols same<br>transmit\$4 adj data) and speed<br>adj increas\$3                              | USPAT           | OR | ON  | 2003/12/30 15:36 |
|----------|------|---|-----------------|----|-----|------------------|
| S35<br>9 | 0    | ((increas\$4 adj transfer\$4 adj<br>rate) and vend\$4 and machine )<br>and speed adj increas\$4 and<br>protocol | USPAT           | OR | ON  | 2003/12/30 15:28 |
| S36<br>0 | 0    | ((switch\$4 adj protocol) and<br>normal adj protocol) and special<br>adj protocol                               | USPAT           | OR | ON  | 2003/12/30 15:31 |
| S36<br>1 | 0    | (switch\$4 adj protocol) and normal same special adj protocoll  | USPAT           | OR | ON  | 2003/12/30 15:32 |
| S36<br>2 | 0    | (switch\$4 adj protocol) and<br>(normal adj protocol) same<br>(special adj protocol)                            | USPAT           | OR | ON  | 2003/12/30 15:32 |
| S36<br>3 | 0    | (switch\$4 adj protocol) and<br>(normal adj protocol)and (special<br>adj protocol)                              | USPAT           | OR | ON  | 2003/12/30 15:32 |
| S36<br>4 | 1560 | edit\$4 adj program   | USPAT           | OR | ON  | 2003/12/30 10:46 |
| S36<br>5 | 0    | ((edit\$4 adj program) and<br>rewrit\$4 adj program) and<br>vending adj machine                                 | USPAT           | OR | ON  | 2003/12/30 10:47 |
| S36<br>6 | 5    | (edit\$4 adj program) and rewrit\$4<br>adj program  | USPAT           | OR | ON  | 2003/12/30 10:53 |
| S36<br>7 | 1    | ("6233255").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 10:48 |
| S36<br>8 | 389  | rewrit\$4 adj program   | USPAT           | OR | ON  | 2003/12/30 15:18 |
| S36<br>9 | 2    | (rewrit\$4 adj program) and (vending adj machine)   | USPAT           | OR | ON  | 2003/12/30 10:53 |
| S37<br>0 | 0    | (rewrit\$4 adj program and machine) and vendinh   | USPAT           | OR | ON  | 2003/12/30 10:59 |
| S37<br>1 | 1    | ("6401010").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 15:15 |
| S37<br>2 | 2    | (rewrit\$4 adj program and machine) and vending   | USPAT           | OR | ON  | 2003/12/30 15:15 |
| S37<br>3 | 151  | rewrit\$4 adj program and machine   | USPAT           | OR | ON  | 2003/12/30 15:17 |
| S37<br>4 | 389  | rewrit\$4 adj program   | USPAT           | OR | ON  | 2003/12/30 15:19 |
| S37<br>5 | 0    | (rewrit\$4 adj program) and<br>(automatic adj machine)  | USPAT           | OR | ON  | 2003/12/30 15:19 |
| S37<br>6 | 101  | (rewrit\$4 adj program) and (automatic)   | USPAT           | OR | ON  | 2003/12/30 15:19 |

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| 12/30 15:37 |
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| S39<br>7 | 28  | switch\$4 adj protocols same<br>transmit\$4 adj data                  | USPAT           | OR | ON  | 2003/12/30 15:36 |
|----------|-----|---|-----------------|----|-----|------------------|
| S39<br>8 | 0   | switch\$4 adj protocols<br>same(increas\$4 adj rate)                  | USPAT           | OR | ON  | 2003/12/30 15:37 |
| S39<br>9 | 0   | switch\$4 adj protocols same<br>(increas\$4 adj rate)                 | USPAT           | OR | ON  | 2003/12/30 15:37 |
| S40<br>0 | 0   | switch\$4 adj protocols same<br>(transfer adj increas\$4)             | USPAT           | OR | ON  | 2003/12/30 15:38 |
| S40<br>1 | 35  | switch\$4 adj protocols same increas\$4                               | USPAT           | OR | ON  | 2003/12/30 15:38 |
| S40<br>2 | 26  | switch\$4 adj protocols same<br>increas\$4 and speed                  | USPAT           | OR | ON  | 2003/12/30 15:38 |
| S40<br>3 | 3   | switch\$4 adj protocols same<br>(increas\$4 adj speed)                | USPAT           | OR | ON  | 2003/12/30 15:38 |
| S40<br>4 | 826 | automatic adj vend\$4 adj machine                                     | USPAT           | OR | ON  | 2003/12/30 16:42 |
| S40<br>5 | 0   | (automatic adj vend\$4 adj<br>machine) same (rewrite adj<br>program)  | USPAT           | OR | ON  | 2003/12/30 16:00 |
| S40<br>6 | 0   | (automatic adj vend\$4 adj<br>machine) and (rewrite adj<br>program)   | USPAT           | OR | ON  | 2003/12/30 16:00 |
| S40<br>7 | 0   | (automatic adj vend\$4 adj<br>machine) and (rewrite near3<br>program) | USPAT           | OR | ON  | 2003/12/30 16:00 |
| S40<br>8 | 16  | (automatic adj vend\$4 adj<br>machine) and rewrite                    | USPAT           | OR | ON  | 2003/12/30 16:01 |
| S40<br>9 | 162 | rewrite adj program   | USPAT           | OR | ON  | 2003/12/30 16:53 |
| S41<br>0 | 1   | (rewrite adj program) and vend\$4<br>adj machine                      | USPAT           | OR | ON  | 2003/12/30 16:43 |
| S41<br>1 | 1   | (rewrite adj program) same vend\$4 with machine                       | USPAT           | OR | ON  | 2003/12/30 16:53 |
| S41<br>2 | 0   | (rewrite adj program) same vend\$4 with control adj units             | USPAT           | OR | ON  | 2003/12/30 16:54 |
| S41<br>3 | 0   | (rewrite adj program) same<br>machine with control adj units          | USPAT           | OR | ON  | 2003/12/30 16:54 |
| S41<br>4 | 0   | (rewrite adj program) same<br>machine with (control adj units)        | USPAT           | OR | ON  | 2003/12/30 16:54 |
| S41<br>5 | 0   | (rewrite adj program) same machine same (control adj units)           | USPAT           | OR | ON  | 2003/12/30 16:54 |
| S41<br>6 | 1   | (rewrite adj program) same<br>machine and (control adj units)         | USPAT           | OR | ON  | 2003/12/30 16:55 |
| S41<br>7 | 1   | ("4117459").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 16:56 |

| S41<br>8 | 1      | ("4282575").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 16:58 |
|----------|--------|---|-----------------|----|-----|------------------|
| S41<br>9 | 1      | ("4834231").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 17:00 |
| S42<br>0 | 0      | ("controladjunits").PN.   | USPAT;<br>USOCR | OR | OFF | 2003/12/30 17:01 |
| S42<br>1 | 131308 | control adj units   | USPAT           | OR | ON  | 2003/12/30 17:01 |
| S42<br>2 | 145    | control adj units same (vending adj machine)  | USPAT           | OR | ON  | 2003/12/30 17:01 |
| S42<br>3 | 4      | control adj units same (vending adj machine) same (control adj device)  | USPAT           | OR | ON  | 2003/12/30 17:01 |
| S42<br>4 | 1      | ("5493692").PN.   | USPAT;<br>USOCR | OR | OFF | 2004/01/16 16:15 |
| S42<br>5 | 1      | ("6073142").PN.   | USPAT;<br>USOCR | OR | OFF | 2004/01/16 16:15 |
| S42<br>6 | 0      | (automatic adj (email or (e adj<br>mail))) same sender same<br>characteristics  | USPAT           | OR | OFF | 2004/01/09 18:05 |
| S42<br>7 | 0      | (automatic adj (email or (e adj<br>mail))) same sender same<br>characteristics  | USPAT           | OR | ON  | 2004/01/09 18:05 |
| S42<br>8 | 39     | (automatic adj (email or (e adj<br>mail)))  | USPAT           | OR | ON  | 2004/01/09 18:05 |
| S42<br>9 | 1      | (automatic adj (email or (e adj<br>mail))) and LDAP   | USPAT           | OR | ON  | 2004/01/09 18:05 |
| S43<br>0 | 482    | (LDAP or (lightweight adj directory adj access adj protocol))   | USPAT           | OR | ON  | 2004/01/09 18:06 |
| S43<br>1 | 170    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500"   | USPAT           | OR | ON  | 2004/01/09 18:06 |
| S43<br>2 | 43     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and email                                   | USPAT           | OR | ON  | 2004/01/09 18:06 |
| S43<br>3 | 105    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail))                 | USPAT           | OR | ON  | 2004/01/09 18:07 |
| S43<br>4 | 0      | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (automatic adj (email or (e adj mail))) | USPAT           | OR | ON  | 2004/01/09 18:07 |
| S43<br>5 | 105    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail))                 | USPAT           | OR | ON  | 2004/01/09 18:07 |

| S43<br>6 | 56    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (atabase or directory)  | USPAT           | OR | ON  | 2004/01/09 18:08 |
|----------|-------|--|-----------------|----|-----|------------------|
| S43<br>7 | 72    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (database or directory)   | USPAT           | OR | ON  | 2004/01/09 18:08 |
| S43<br>8 | 0     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (database or directory) same ((sender or reciever) adj characteristics) | USPAT           | OR | ON  | 2004/01/09 18:09 |
| S43<br>9 | 0     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (database or directory) same ((sender or reciever) adj information)     | USPAT           | OR | ON  | 2004/01/09 18:09 |
| S44<br>0 | 0     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (database or directory) same (sender or reciever)                       | USPAT           | OR | ON  | 2004/01/09 18:09 |
| S44<br>1 | 32    | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and (email or (e adj mail)) same (database or directory) and (sender or reciever)                        | USPAT           | OR | ON  | 2004/01/09 18:10 |
| S44<br>2 | 0     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and ((email or (e adj mail)) adj header) same (database or directory)                                    | USPAT           | OR | ON  | 2004/01/09 18:11 |
| S44<br>3 | 0     | (LDAP or (lightweight adj directory adj access adj protocol)) same "x. 500" and ((email or (e adj mail)) adj header)   | USPAT           | OR | ON  | 2004/01/09 18:11 |
| S44<br>4 | 1     | ("6529956").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/02/08 18:41 |
| S44<br>5 | 11144 | ((e adj mail) or e-mail or email)  | USPAT           | OR | ON  | 2004/03/12 17:24 |
| S44<br>6 | 15    | categor\$4 adj ((e adj mail) or<br>e-mail or email)  | USPAT           | OR | ON  | 2004/03/12 17:17 |
| S44<br>7 | 20    | ((((e adj mail) or e-mail or email))<br>and plurality adj categories) and<br>(user-defined or (user adj<br>defined))   | USPAT           | OR | ON  | 2004/03/12 17:15 |

| S44<br>8 | 0    | categor\$4 adj ((e adj mail) or<br>e-mail or email) same ((user adj<br>define) or user-define)  | USPAT | OR | ON | 2004/03/12 17:10 |
|----------|------|---|-------|----|----|------------------|
| S44<br>9 | 0    | categor\$4 adj ((e adj mail) or<br>e-mail or email) same ((user adj<br>defined) or user-defined)  | USPAT | OR | ON | 2004/03/12 17:10 |
| S45<br>0 | 0    | categor\$4 adj ((e adj mail) or<br>e-mail or email) with((user adj<br>defined) or user-defined)   | USPAT | OR | ON | 2004/03/12 17:10 |
| S45<br>1 | 3    | categor\$4 adj ((e adj mail) or<br>e-mail or email) and ((user adj<br>defined) or user-defined)   | USPAT | OR | ON | 2004/03/12 17:24 |
| S45<br>2 | 1169 | ((e adj mail) near categories or<br>e-mail or email) and ((user adj<br>defined) or user-defined)  | USPAT | OR | ON | 2004/03/12 17:13 |
| S45<br>3 | 1169 | ((e adj mail)adj categories or<br>e-mail or email) and ((user adj<br>defined) or user-defined)  | USPAT | OR | ON | 2004/03/12 17:13 |
| S45<br>4 | 2919 | (((e adj mail) or e-mail or email))<br>and categories   | USPAT | OR | ON | 2004/03/12 17:14 |
| S45<br>5 | 80   | (((e adj mail) or e-mail or email))<br>and plurality adj categories   | USPAT | OR | ON | 2004/03/12 17:14 |
| S45<br>6 | 2    | ((((e adj mail) or e-mail or email))<br>and plurality adj categories) and<br>(user-defined or (user adj<br>defined)) same encapsulat\$4 | USPAT | OR | ON | 2004/03/12 17:16 |
| S45<br>7 | 61   | (((e adj mail) or e-mail or email))<br>and (user-defined or (user adj<br>defined)) same encapsulat\$4                                   | USPAT | OR | ON | 2004/03/12 17:17 |
| S45<br>8 | 9    | categories adj ((e adj mail) or<br>e-mail or email)   | USPAT | OR | ON | 2004/03/12 17:18 |
| S45<br>9 | 0    | (categories adj ((e adj mail) or<br>e-mail or email)) and encapsulat\$4   | USPAT | OR | ON | 2004/03/12 17:18 |
| S46<br>0 | 0    | categor\$4 adj ((e adj mail) or<br>e-mail or email) and<br>encapsulate\$4   | USPAT | OR | ON | 2004/03/12 17:24 |
| S46<br>1 | 0    | categor\$4 adj ((e adj mail) or<br>e-mail or email) and encapsulat\$4   | USPAT | OR | ON | 2004/03/12 17:24 |
| S46<br>2 | 0    | categories adj ((e adj mail) or<br>e-mail or email) and encapsulat\$4   | USPAT | OR | ON | 2004/03/12 17:24 |
| S46<br>3 | 0    | ((e adj mail) or e-mail or email)<br>near encapsulat\$4 same threads  | USPAT | OR | ON | 2004/03/12 17:25 |
| S46<br>4 | 0    | ((e adj mail) or e-mail or email)<br>with encapsulat\$4 same threads  | USPAT | OR | ON | 2004/03/12 17:25 |
| S46<br>5 | 6    | ((e adj mail) or e-mail or email)<br>same encapsulat\$4 same threads  | USPAT | OR | ON | 2004/03/15 14:18 |

| S46<br>6 | 1     | ("6230012").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/03/15 15:52 |
|----------|-------|--|-----------------|----|-----|------------------|
| S46<br>7 | 1     | ("6654359").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/03/15 16:54 |
| S46<br>8 | 1     | ("5493692").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/03/15 16:54 |
| S46<br>9 | 1450  | 709/219.ccls.  | USPAT           | OR | ON  | 2004/04/16 15:42 |
| S47<br>0 | 123   | 709/219.ccls. and user adj profile   | USPAT           | OR | ON  | 2004/04/16 15:43 |
| S47<br>1 | 8     | (709/219.ccls. and user adj<br>profile) and meta adj data                                | USPAT           | OR | ON  | 2004/04/16 15:43 |
| S47<br>2 | 5     | ((709/219.ccls. and user adj<br>profile) and meta adj data) and<br>gateway               | USPAT           | OR | ON  | 2004/04/16 15:59 |
| S47<br>3 | 13684 | ap@<"20001205" and gateway   | USPAT           | OR | ON  | 2004/04/16 16:00 |
| S47<br>4 | 13684 | ad@<"20001205" and gateway   | USPAT           | OR | ON  | 2004/04/16 16:00 |
| S47<br>5 | 13684 | ap@<"20001205" and gateway   | USPAT           | OR | ON  | 2004/04/16 16:00 |
| S47<br>6 | 16    | ap@<"20001205" and gateway<br>same meta adj data   | USPAT           | OR | ON  | 2004/04/16 16:00 |
| S47<br>7 | 16    | ap@<"20001205" and gateway<br>same (meta adj data)                                       | USPAT           | OR | ON  | 2004/04/16 16:01 |
| S47<br>8 | 10    | ap@<"20001205" and gateway<br>same (meta adj data) and id                                | USPAT           | OR | ON  | 2004/04/16 16:01 |
| S47<br>9 | 15    | ap@<"20001205" and gateway<br>same (meta adj data) and identify                          | USPAT           | OR | ON  | 2004/04/16 16:01 |
| S48<br>0 | 16    | ap@<"20001205" and gateway<br>same (meta adj data) and (identify<br>or id)               | USPAT           | OR | ON  | 2004/04/16 16:01 |
| S48<br>1 | 12    | ap@<"20001205" and gateway<br>same (meta adj data) and<br>(identifiers or id)            | USPAT           | OR | ON  | 2004/04/16 16:02 |
| S48<br>2 | 0     | ap@<"20001205" and gateway<br>same (meta adj data) and (file adj<br>(identifiers or id)) | USPAT           | OR | ON  | 2004/04/16 16:02 |
| S48<br>3 | 1218  | ap@<"20001205" and (file adj<br>(identifiers or id))                                     | USPAT           | OR | ON  | 2004/04/16 16:02 |
| S48<br>4 | 4     | ap@<"20001205" and (file adj<br>(identifiers or id)) same (meta adj<br>data)             | USPAT           | OR | ON  | 2004/04/16 16:03 |
| S48<br>5 | 0     | ap@<"20001205" and (file adj<br>(identifiers or id)) same (meta adj<br>data) and gateway | USPAT           | OR | ON  | 2004/04/16 16:03 |

|          | ·   |   |       | ,  |    |                  |
|----------|-----|---|-------|----|----|------------------|
| S48<br>6 | 11  | ap@<"20001205" and (file adj<br>(identifiers or id)) and (meta adj<br>data) and gateway   | USPAT | OR | ON | 2004/04/16 16:03 |
| S48<br>7 | 188 | (global adj network) and (local adj network)  | USPAT | OR | ON | 2004/06/25 09:21 |
| S48<br>8 | 35  | ((global adj network) and (local<br>adj network)) and ((application adj<br>program adj interface) or api)   | USPAT | OR | ON | 2004/06/25 09:22 |
| S48<br>9 | 32  | (((global adj network) and (local<br>adj network)) and ((application adj<br>program adj interface) or api))<br>and remote   | USPAT | OR | ON | 2004/06/25 09:23 |
| S49<br>0 | 20  | ((((global adj network) and (local<br>adj network)) and ((application adj<br>program adj interface) or api))<br>and remote) and translate\$4                      | USPAT | OR | ON | 2004/06/25 09:23 |
| S49<br>1 | 17  | (((((global adj network) and (local<br>adj network)) and ((application adj<br>program adj interface) or api))<br>and remote) and translate\$4) and<br>transmit\$4 | USPAT | OR | ON | 2004/06/25 09:26 |
| S49<br>2 | 27  | execute\$4 adj remote adj<br>procedure  | USPAT | OR | ON | 2004/06/25 09:30 |
| S49<br>3 | 3   | (execute\$4 adj remote adj<br>procedure) and (local adj<br>processor)   | USPAT | OR | ON | 2004/06/25 09:28 |
| S49<br>4 | 0   | (execute\$4 adj remote adj<br>program) and (local adj processor)  | USPAT | OR | ON | 2004/06/25 09:31 |
| S49<br>5 | 6   | execute\$4 adj remote adj program   | USPAT | OR | ON | 2004/06/25 09:30 |
| S49<br>6 | 0   | ((execute\$4 adj remote adj<br>program) and (local adj<br>processor)) and local   | USPAT | OR | ON | 2004/06/25 09:31 |